

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1022]

OCTOBER 2022

Sub. Code: 3501

POST GRADUATE DIPLOMA IN MEDICAL LABORATORY TECHNOLOGY

(From 2014-2015 onwards)

PAPER I – BIOCHEMISTRY & CLINICAL BIOCHEMISTRY

Q.P. Code : 363501

Time : Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(2x20=40)

1. What are the functions of the liver? Explain the various tests to assess the functions of the liver.
2. Describe the dietary sources, recommended daily allowance (RDA), regulation of calcium levels in blood and biochemical functions of calcium. Write a note on disease states associated with calcium metabolism

II. Write notes on:

(10x6=60)

1. Classify polysaccharides.
2. Plasma proteins.
3. Thyroid function tests.
4. Balanced diet.
5. Blood collection-procedure.
6. Mechanism of enzyme action.
7. Define Molarity and Normality.
8. Functions of lipids.
9. Role of enzymes in clinical practice.
10. Structure of DNA.
